

Recombinant Full Length Human DUSP3 Protein, GST-tagged

Cat. No. DUSP3-4109HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human DUSP3 full-length ORF (AAH35701, 1 a.a. - 144 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	144 amino acids
Description	The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene maps in a region that contains the BRCA1 locus which confers susceptibility to breast and ovarian cancer. Although DUSP3 is expressed in both breast and ovarian tissues, mutation screening in breast cancer pedigrees and in sporadic tumors was negative, leading to the conclusion that this gene is not BRCA1. [provided by RefSeq, Jul 2008]
Molecular Mass	41.58 kDa

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AA Sequence	MSVAQDIPKLQKLGITHVLNAAEGRSFMHVNTNANFYKDSGITYLGIKANDTQEFNLS AYFERAADFIDQALAQKNGRVLVHCREGYRSPTLVIAYLMMRQKMDVKSALSIVRQ NREIGPNDGFLAQLCQLNDRLAKEGKLP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DUSP3 dual specificity phosphatase 3 [Homo sapiens]
Official Symbol	DUSP3
Synonyms	DUSP3; dual specificity phosphatase 3; vaccinia virus phosphatase VH1 related , VHR; dual specificity protein phosphatase 3; vaccinia H1-related phosphatase; vaccinia virus phosphatase VH1-related; dual specificity protein phosphatase VHR; serine/threonine specific protein phosphatase; VHR;
Gene ID	1845
mRNA Refseq	NM_004090
Protein Refseq	NP_004081

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MIM	600183
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UniProt ID	P51452
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